



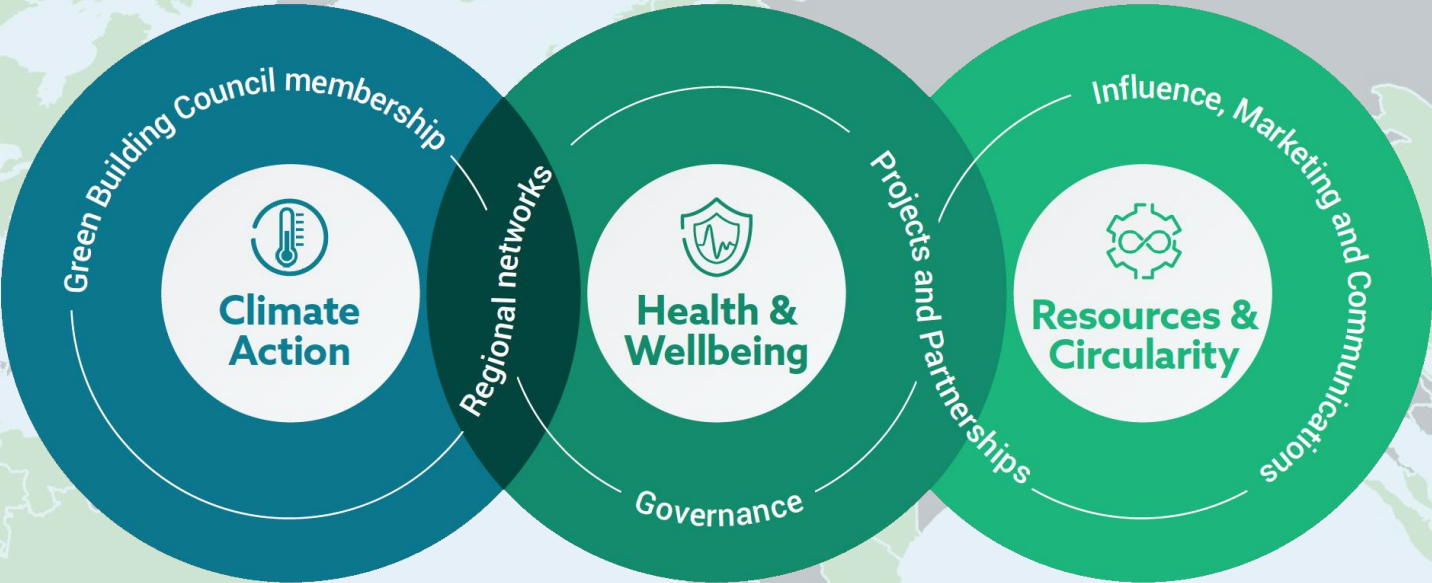
ADVANCING
NET ZERO



WORLD
GREEN
BUILDING
COUNCIL

Accelerating the uptake of net zero buildings

World Green Building Council



Total decarbonisation of the built environment

A built environment that delivers healthy, equitable and resilient buildings, communities and cities.

A built environment that supports the regeneration of resources and natural systems, providing socio-economic benefit through a thriving circular economy

Where do we stand?

37% Global energy related emissions

36% Global energy demand

50% Materials consumption

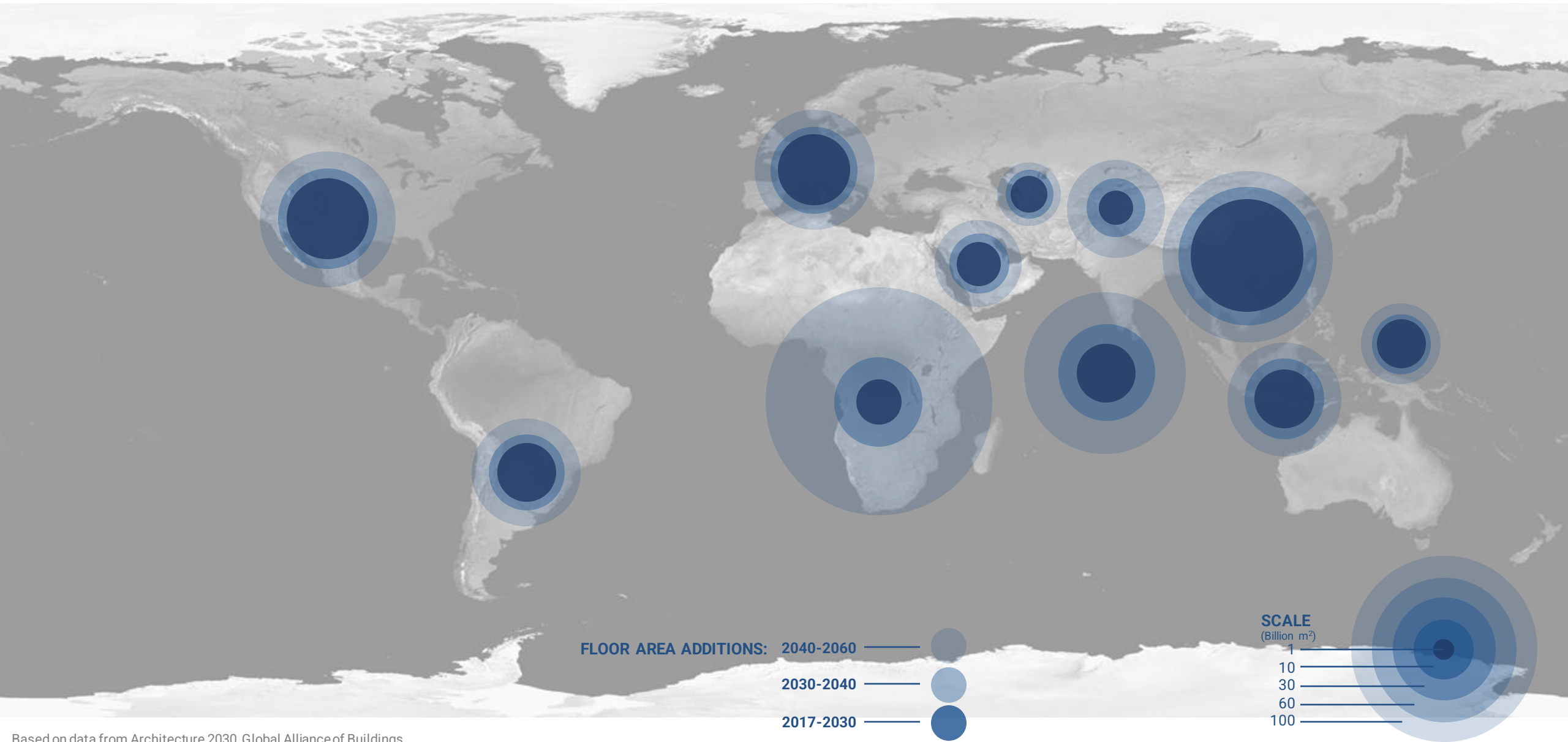
192 NDCs

136 NDCs mention building emission reductions

80 Countries adopted energy codes

66% Lack mandatory building codes

Global building stock growth 2017-2060



Advancing Net Zero

A global campaign to accelerate total sector decarbonisation by 2050

Project Targets

- Increase awareness and education of the urgency and achievability of net zero carbon buildings
- Achieve alignment and commonality between GBC approaches and certification schemes
- To expedite uptake in global markets by sharing market leadership examples



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Advancing Net Zero Whole Life Carbon

OPERATIONAL CARBON

1. Reduce and optimise energy demand
2. Generate balance from renewables
3. Compensate for residual emissions
4. Plan for deep decarbonisation

EMBODIED CARBON

1. Prevent
2. Reduce and optimise
3. Plan for the future
4. Compensate for residual emissions



Advancing Net Zero Whole Life Carbon

Leadership: Net Zero Carbon Buildings Commitment (businesses & organisations)

By 2030, **existing buildings** reduce energy consumption and eliminate emissions from energy and refrigerants.

By 2030, **new developments and major renovations** to also achieve **maximum reduction** in embodied carbon.

Where necessary, compensate for residual emissions.

Advocate through business activities for **all buildings to be net zero whole life carbon** by 2050.

2030

Mainstream: All buildings globally

By 2030, **all new buildings, infrastructure and renovations** will have at least **40% less embodied carbon** with significant upfront carbon reduction.

All new buildings must be **net zero operational carbon**.

2050

By 2050, **all new buildings, infrastructure and renovations** will have **net zero embodied carbon**.

All buildings, including existing buildings must be **net zero operational carbon**.

Green Building Councils Advancing Net Zero



ALP North | Kenya

Final EDGE Certification: 1 September 2018

75.0014 total CO2 savings annually



41%
Energy
savings



52%
Water
savings



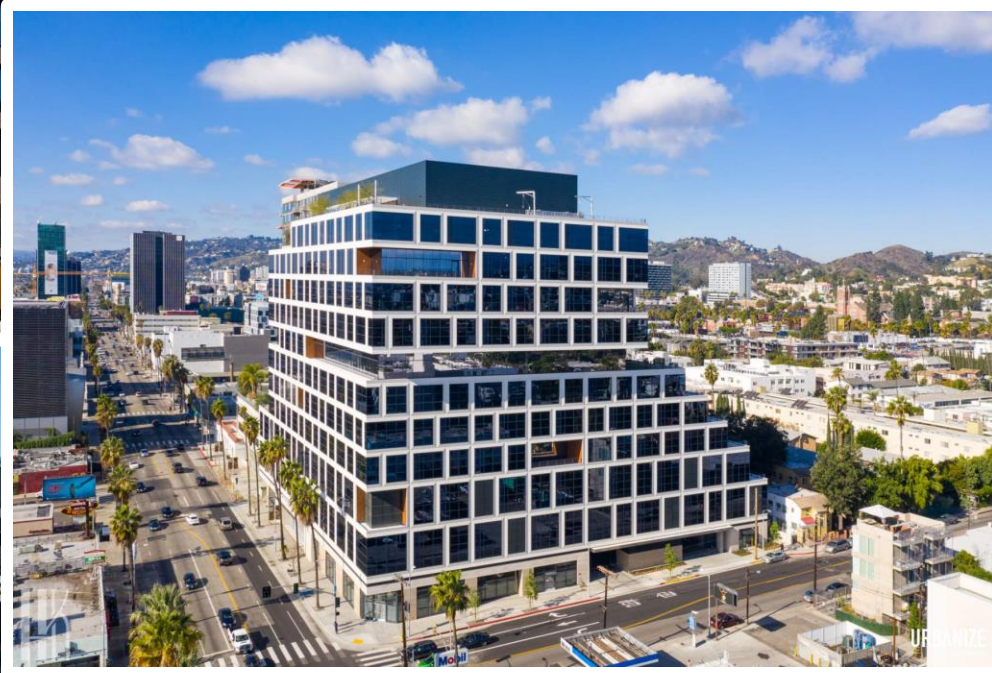
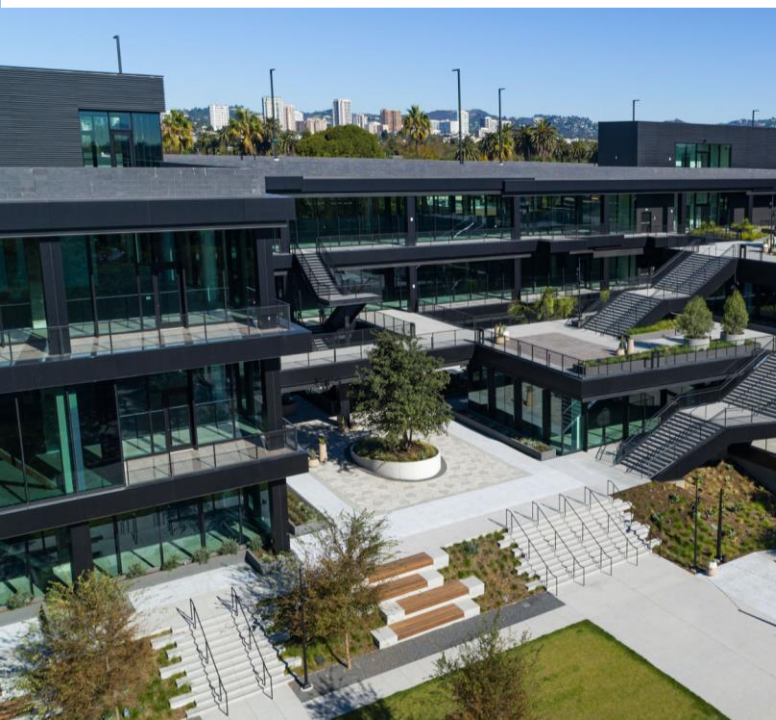
50% less
Embodied
energy in
materials



**ADVANCING
NET ZERO**



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GOVERNMENT CLIMATE POLICY

Clear, ambitious targets and policy
Predictable regulatory environment
Incentives and infrastructure
Long-term market signals
Clear plans and timelines for a full transition
to a zero-carbon economy



CITIES CLIMATE POLICY & ACTION

Clear, ambitious targets and policy
Net zero plans for own municipal
buildings and infrastructure
Public procurement policies



BUSINESS CLIMATE ACTION

Ambitious, science-based targets
Public updates on progress
Commercial demand for zero-carbon energy,
zero-carbon transportation and zero-carbon
land use
Responsible policy engagement



REAL ESTATE INVESTOR CLIMATE ACTION

Investment and growth strategies aligned with
a zero-carbon future
Public updates on progress

The Ambition Loop





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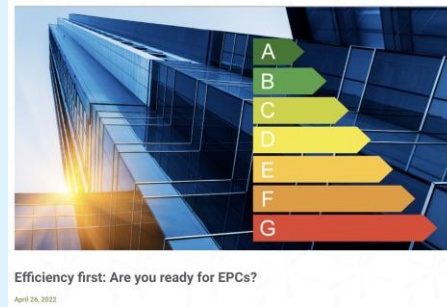
Beyond The Business Case

Seven Ways to Identify Value from a Sustainable Built Environment



Signals of Change

SUPPLY



FINANCE



DEMAND (Public & Private)

GPT delivers Australia's first upfront embodied carbon neutral development



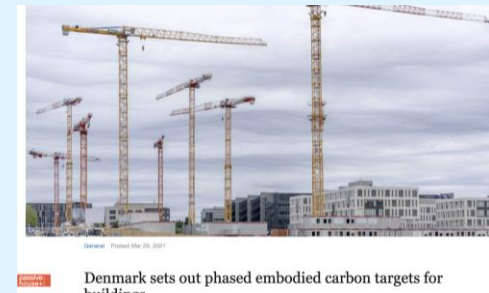
Abu Dhabi's Building Retrofit Programme to save up to 40% on power consumption

The Building Retrofit Programme is aimed at improving the electricity and water efficiency of the existing buildings across Abu Dhabi.

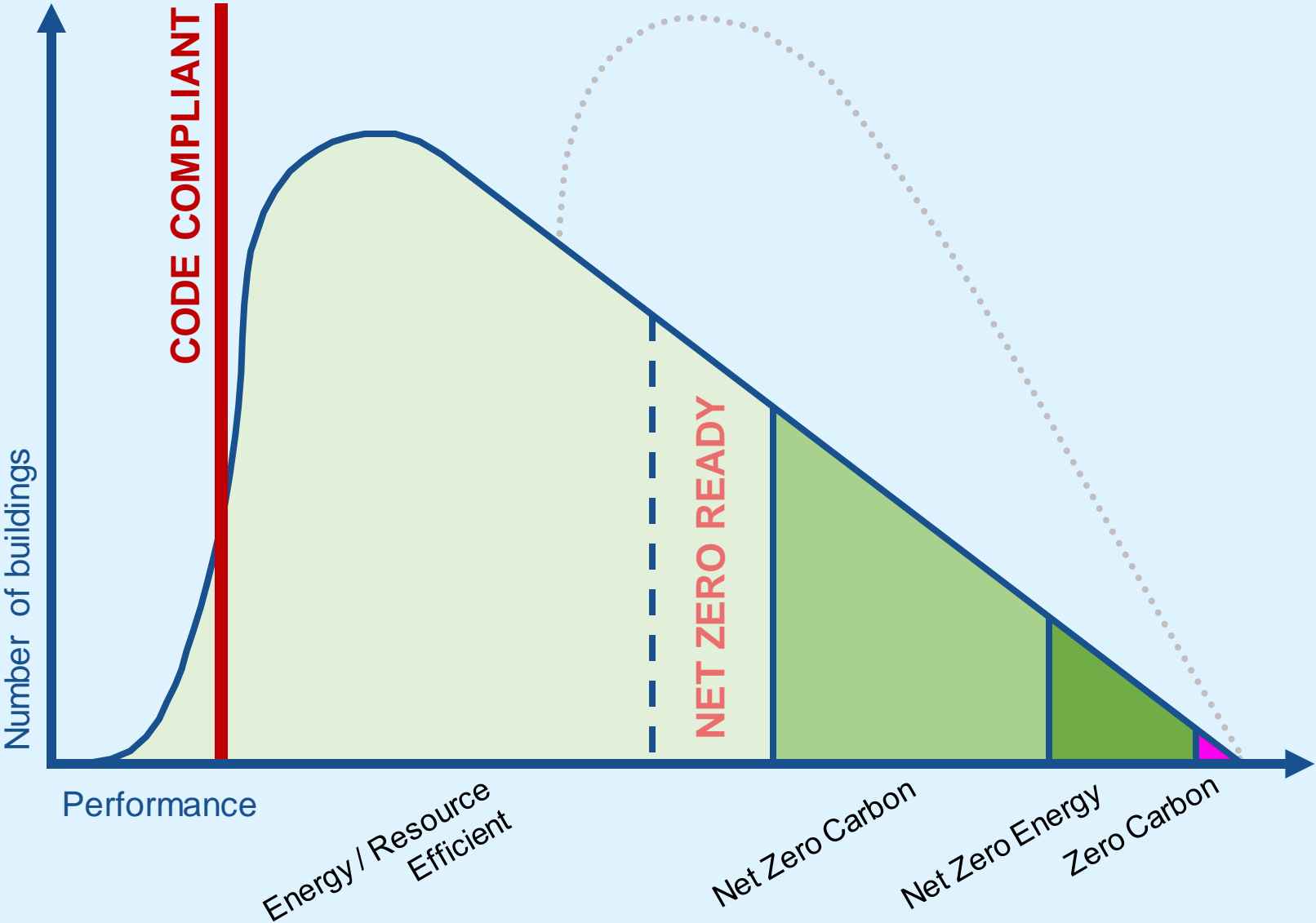
by Almas Tholot | May 11, 2022



DEMAND (Policy)



Getting Net Zero Ready



COP27 Presidency's Goals and Visions

- Adaptation/resilience
- Climate finance
- Transparency
- Mitigation
- Collaboration

#BuildingToCOP coalition demonstrating key role of buildings, action and implementation in the sector via:

- ✓ Ministerial events, launches, announcements
- ✓ Other events at COP
- ✓ Buildings Pavilion
- ✓ Communications campaign
- ✓ buildingtocop.org



Together for Implementation



WITH THANKS TO:

Global ANZ Programme Partners



APN Regional Net Zero Collaborators

